

810 Invoice

Functional Group ID= **IN**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

- 1. Use this transaction set to transmit a public voucher from a Federal Government organization authorized to certify payment to a Federal Government activity responsible for making the payment.*
- 2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.*
- 3. Use to transmit public voucher data only from one invoice preparing party to one invoice receiving party.*
- 4. This implementation convention is based on converting the Standard Form (SF) 1034A Public Voucher to EDI.*

Heading:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
N/U	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
N/U	060	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	110	REF	Reference Numbers	O	12		
	120	PER	Administrative Communications Contact	O	3		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

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	140	DTM	Date/Time Reference	O	10	
N/U	150	FOB	F.O.B. Related Instructions	O	1	
N/U	160	PID	Product/Item Description	O	200	
N/U	170	MEA	Measurements	O	40	
N/U	180	PWK	Paperwork	O	25	
N/U	190	PKG	Marking, Packaging, Loading	O	25	
N/U	200	L7	Tariff Reference	O	1	
	210	AT	Financial Accounting	O	>1	
N/U	212	BAL	Balance Detail	O	2	n1
N/U	213	INC	Installment Information	O	1	
LOOP ID - LM					10	
N/U	220	LM	Code Source Information	O	1	
N/U	230	LQ	Industry Code	M	100	
LOOP ID - N9					1	
N/U	240	N9	Reference Number	O	1	
N/U	250	MSG	Message Text	M	10	
LOOP ID - V1					>1	
N/U	260	V1	Vessel Identification	O	1	
N/U	270	R4	Port	O	>1	
N/U	280	DTM	Date/Time Reference	O	>1	

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1					200000	
	010	IT1	Baseline Item Data (Invoice)	O	1	
N/U	012	CRC	Conditions Indicator	O	1	
N/U	015	QTY	Quantity	O	5	n2
N/U	020	CUR	Currency	O	1	
N/U	030	IT3	Additional Item Data	O	5	
	040	TXI	Tax Information	O	10	
N/U	050	CTP	Pricing Information	O	25	
N/U	055	PAM	Period Amount	O	10	
N/U	059	MEA	Measurements	O	40	
LOOP ID - PID					1000	
	060	PID	Product/Item Description	O	1	
N/U	070	MEA	Measurements	O	10	
N/U	080	PWK	Paperwork	O	25	
N/U	090	PKG	Marking, Packaging, Loading	O	25	
N/U	100	PO4	Item Physical Details	O	1	
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
	120	REF	Reference Numbers	O	>1	
N/U	130	PER	Administrative Communications Contact	O	5	
N/U	140	SDQ	Destination Quantity	O	500	
	150	DTM	Date/Time Reference	O	10	
N/U	160	CAD	Carrier Detail	O	>1	

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N/U	170	L7	Tariff Reference	O	>1
N/U	175	SR	Requested Service Schedule	O	1
LOOP ID - SAC					25
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1
	190	TXI	Tax Information	O	10
LOOP ID - SLN					1000
N/U	200	SLN	Subline Item Detail	O	1
N/U	210	REF	Reference Numbers	O	>1
N/U	220	PID	Product/Item Description	O	1000
N/U	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25
N/U	235	TC2	Commodity	O	2
N/U	237	TXI	Tax Information	O	10
LOOP ID - N1					200
	240	N1	Name	O	1
	250	N2	Additional Name Information	O	2
	260	N3	Address Information	O	2
	270	N4	Geographic Location	O	1
N/U	280	REF	Reference Numbers	O	12
N/U	290	PER	Administrative Communications Contact	O	3
LOOP ID - LM					10
N/U	300	LM	Code Source Information	O	1
N/U	310	LQ	Industry Code	M	100
LOOP ID - V1					>1
N/U	320	V1	Vessel Identification	O	1
N/U	330	R4	Port	O	>1
N/U	340	DTM	Date/Time Reference	O	>1

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
N/U	030	CAD	Carrier Detail	O	1		
LOOP ID - SAC					25		
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	050	TXI	Tax Information	O	10		
LOOP ID - ISS					>1		
N/U	060	ISS	Invoice Shipment Summary	O	1		
N/U	065	PID	Product/Item Description	O	1		
Must Use	070	CTT	Transaction Totals	M	1		n3
Must Use	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The BAL segment is to be used only if the code in BIG07 indicates that the transaction is a ``Monthly Adjustment"or ``Special Handling Adjustment" invoice.
2. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
3. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		810 X12.2 Invoice	
Must Use ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>Use to transmit a unique number assigned by the originator of the transaction set. This number may be system generated.</i>	

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes: 1 BIG01 is the invoice issue date.
2 BIG03 is the date assigned by the purchaser to purchase order.
3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments: 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use BIG01	373 Date	M DT 6/6
	Date (YYMMDD)	
	<i>Use to identify the date the transaction set was created. In the context of a public voucher, this date will represent the date of the voucher. Notional Block 4 of Standard Form (SF) 1034A.</i>	
Must Use BIG02	76 Invoice Number	M AN 1/22
	Identifying number assigned by issuer	
	<i>Use to uniquely identify the public voucher transaction to an issuer. The public voucher number may not be duplicated by an issuer in an original transaction (BIG08, code 00) within a 12 month period. Same number can be used if issuing an amended invoice (BIG08 is code 01, 05, or 07). Notional Block 1 of SF 1034A.</i>	
BIG03	373 Date	O DT 6/6
	Date (YYMMDD)	
	<i>When BIG05 is used, cite the date of the delivery order, call or release. When BIG05 is not used, cite the date of the award instrument in BIG04. Notional Block 5b of SF 1034A.</i>	
Must Use BIG04	324 Purchase Order Number	O AN 1/22
	Identifying number for Purchase Order assigned by the orderer/purchaser	
	<i>Enter the purchase order number, contract number [including Federal Supply Schedules, General Services Administration (GSA) Schedules and all other basic contracts], Blanket Purchase Agreement (BPA) number, Grant, Lease or Agreement number. This is always the Procurement Instrument Identification Number (PIIN) or the equivalent expression. This is never the number of a delivery order, call or release against a basic award instrument. That number is carried in BIG05. This number shall be transmitted without dashes. Notional Block 5a of SF 1034A.</i>	
BIG05	328 Release Number	O AN 1/30
	Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
	<i>Enter the number of a release, call or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number (SPIIN) for Department of Defense (DOD) or the equivalent expression for Civilian Agencies. This number shall be transmitted without dashes. Notional Block 5a of SF 1034A.</i>	
BIG06	327 Change Order Sequence Number	O AN 1/8
	Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	

			<i>Use, as applicable, to identify a modification number to the instrument in BIG05. If BIG05 is blank, the PIIN in BIG04. Notional Block 5a of SF 1034A.</i>			
Must Use	BIG07	640	Transaction Type Code	O	ID	2/2
			Code specifying the type of transaction			
			CV	Cost Voucher		
			<i>Use to indicate a Public Voucher. Use code CV until DM for Public Voucher is approved.</i>			
Must Use	BIG08	353	Transaction Set Purpose Code	O	ID	2/2
			Code identifying purpose of transaction set			
			00	Original		
			<i>Use to indicate the initial submission of an original public voucher or a replacement public voucher for one that was cancelled but which has a new number assigned.</i>			
			01	Cancellation		
			<i>Use to indicate the cancellation of a previously submitted public voucher.</i>			
			05	Replace		
			<i>Use to indicate a replacement public voucher using the same public voucher number as a previously submitted public voucher. When used, the replacement public voucher will overwrite the original public voucher in the receiving data base.</i>			
			07	Duplicate		
			<i>Use to indicate a duplicate submission.</i>			
	BIG09	306	Action Code	O	ID	1/2
			Code indicating type of action			
			51	Complete		
			AA	Award		
			<i>Use to indicate advance until Data Maintenance (DM) for advance is established.</i>			
			AL	Allow		
			<i>Use to indicate progress until DM for progress is established.</i>			
			F	Final		
			<i>Use to indicate the final invoice. Do not use for partial invoices.</i>			
			PB	Partial Transfer of Claim		
			<i>Use to indicate partial until DM for partial is</i>			

established.

PF

Preliminary Final

Use to indicate provisional until DM for provisional is established.

N/U BIG10 76 Invoice Number O AN 1/22
 Identifying number assigned by issuer

Segment: **CUR** Currency

Position: 040

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: 1. *Use this 1/CUR/040 segment to identify the currency in which payment is requested if in other than US dollars.*

2. *When requesting payment in other than US dollars, cite code 7E in CUR01 and the requested payment currency in CUR02. No exchange rate is required for the payment currency.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use CUR01	98 Entity Identifier Code	M ID 2/2
	Code identifying an organizational entity, a physical location, or an individual	
	7E Party Authorized to Definitize Contract Action	

Use to indicate that the award instrument authorizes payment in the currency cited in CUR02.

BY

Buying Party (Purchaser)

Use to indicate that the award instrument authorizes payment in the currency cited in CUR02.

Must Use	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>Use the appropriate code to specify the currency in which payment is requested.</i>	
N/U	CUR03	280	Exchange Rate	O R 4/6
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
N/U	CUR04	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	CUR05	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
N/U	CUR06	669	Currency Market/Exchange Code	O ID 3/3
			Code identifying the market upon which the currency exchange rate is based	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	CUR07	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	CUR08	373	Date	O DT 6/6
			Date (YYMMDD)	
N/U	CUR09	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
N/U	CUR10	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	CUR11	373	Date	X DT 6/6
			Date (YYMMDD)	

N/U	CUR12	337	Time	X	TM	4/8	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)
N/U	CUR13	374	Date/Time Qualifier	X	ID	3/3	Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	CUR14	373	Date	X	DT	6/6	Date (YYMMDD)
N/U	CUR15	337	Time	X	TM	4/8	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)
N/U	CUR16	374	Date/Time Qualifier	X	ID	3/3	Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	CUR17	373	Date	X	DT	6/6	Date (YYMMDD)
N/U	CUR18	337	Time	X	TM	4/8	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)
N/U	CUR19	374	Date/Time Qualifier	X	ID	3/3	Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	CUR20	373	Date	X	DT	6/6	Date (YYMMDD)
N/U	CUR21	337	Time	X	TM	4/8	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: **REF** Reference Numbers
Position: 050
Loop:

Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		1. Use, as applicable, to identify the shipment number, replacement shipment number and final shipment indicator.	
		2. Use, as applicable, to identify additional reference numbers such as the customer reference number, etc., applicable to the cited party.	
		FS Final Sequence Number	
		Use to indicate the suffix letter associated with a final shipment number. (i.e., when transmitting the letter Z to indicate a final shipment).	
		LT Lot Number	
		SI Shipper's Identifying Number for Shipment (SID)	
		Use to identify the shipment number.	
		W1 Defense Turn-In Document Number	
REF02	127	Reference Number	X AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
REF03	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **N1** Name
Position: 070
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.

Semantic Notes:**Comments:**

2 If either N103 or N104 is present, then the other is required.

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes:

1. Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a Dun & Bradstreet (DUNS) number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.

2. At least 2 iterations of this 1/N1/070 loop are required using codes PE and PO.

3. Use to identify a ship-to addressee when the invoice contains multiple line items and the address is applicable to all line items. Use the 2/N1/240 loop when the invoice or the ship-to address varies among the line items.

4. Use the 1/N1/070 loop to identify organizations or people that apply to all of the line items, or are not applicable at the line item level. When the addresses vary by line item, use the 2/N1/240 loop.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use N101	98 Entity Identifier Code	M ID 2/2
	Code identifying an organizational entity, a physical location, or an individual	
	BT	Bill-to-Party
		<i>Use to indicate the bill-to-office.</i>
	C4	Contract Administration Office
		<i>Use to indicate the contract administration officer.</i>
	II	Issuer of Invoice
	KX	Free on Board Point
		<i>Use to indicate the Free on Board (FOB) site.</i>
	PE	Payee
		<i>Use to indicate the party submitting the invoice.</i>
	PO	Party to Receive Invoice for Goods or Services

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				<i>locations.</i>			
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
				<i>Use to indicate the parties when DUNS+4 is appropriate.</i>			
		10		Department of Defense Activity Address Code (DODAAC)			
				<i>Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code.</i>			
		21		Health Industry I.D. Number (HIN)			
		33		Commercial and Government Entity (CAGE)			
				<i>Use to indicate vendors with CAGE codes.</i>			
		91		Assigned by Seller or Seller's Agent			
				<i>Use to indicate unique identification established by the seller.</i>			
		92		Assigned by Buyer or Buyer's Agent			
				<i>Use to indicate unique identification established by the buyer.</i>			
		A2		Military Assistance Program Address Code (MAPAC)			
				<i>Use to indicate a MAPAC address.</i>			
		FA		Facility Identification			
				<i>Use to identify the vendor facility that cannot be identified by either a DODAAC, CAGE, or DUNS number.</i>			
		FI		Federal Taxpayer's Identification Number			
		ZZ		Mutually Defined			
Must Use	N104	67	Identification Code		X	AN	2/20
			Code identifying a party or other code				
N/U	N105	706	Entity Relationship Code		O	ID	2/2
			Code describing entity relationship				
			Refer to 003050 Data Element Dictionary for acceptable code values.				
N/U	N106	98	Entity Identifier Code		O	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual				
			Refer to 003050 Data Element Dictionary for acceptable code values.				

Segment: **N2** **Additional Name Information**

Position: 080

Loop: N1

Level: Heading

Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as needed, only when N101 is code ST or SV and that party cannot be identified by coded means.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use N201	93	Name	M	AN 1/35
		Free-form name		
N202	93	Name	O	AN 1/35
		Free-form name		

Segment: **N3** Address Information

Position: 090

Loop: N1

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as needed, only when N101 is code ST or SV and that party cannot be identified by coded means.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use N301	166	Address Information	M	AN 1/35
		Address information		
N302	166	Address Information	O	AN 1/35
		Address information		

Segment:	N4 Geographic Location
Position:	100
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	<p>1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.</p> <p>2 N402 is required only if city name (N401) is in the USA or Canada.</p>
Notes:	<p>1. <i>This segment is not necessary when the cited party can be identified by a code value in N101/03/04.</i></p> <p>2. <i>Use, as needed , only when N101 is code ST or SV and that party cannot be identified by coded means.</i></p>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>An application program conversion table may be required to convert agency codes to Accredited Standards Committee (ASC) X12 codes.</i>	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AR Armed Services Location Designation	
		<i>Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO).</i>	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	
		<i>When N405 is code AR, cite the two letter APO or FPO identifier</i>	

(AA for Miami, AE for New York, AP for San Francisco).

Segment: **REF** Reference Numbers
Position: 110
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes:

This 1/REF/110 segment can be used to identify numbers that apply to either the cited party or all of the line items. When the reference number does not apply to a cited party, or varies by line item, use the 2/REF/120 segment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		<i>1. Use, as applicable, to identify the shipment number, replacement shipment number and final shipment indicator.</i>	
		<i>2. Use, as applicable, to identify additional reference numbers such as the customer reference number, etc., applicable to the cited party.</i>	
	11	Account Number	
		<i>Use to indicate the payer's account number. Notional Block 10 of Standard Form (SF) 1034A.</i>	
	72	Schedule Reference Number	
		<i>Use to indicate the schedule number. Notional Block 2 of SF 1034A.</i>	
	BL	Government Bill of Lading	
		<i>Use to indicate the Government Bill of Lading number. Notional Block 14 of SF 1034A.</i>	
	SI	Shipper's Identifying Number for Shipment (SID)	
		<i>Use to identify the shipment number.</i>	
	SY	Social Security Number	
	TJ	Federal Taxpayer's Identification Number	
	TN	Transaction Reference Number	

Use to indicate the document number. Notional Block 6a of SF 1034A.

	REF02	127	Reference Number	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
N/U	REF03	352	Description	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment: **PER** Administrative Communications Contact

Position: 120

Loop: N1

Level: Heading

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *This segment is required if 1/N101/070 is code PE.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use PER01	366 Contact Function Code	M ID 2/2
	Code identifying the major duty or responsibility of the person or group named	
	CE Certifier	
	IC Information Contact	

Use to indicate the communication number to be contacted with questions arising from the submission of this invoice. Use only when the contact differs from one provided as a part of the registration process.

PER02	93	Name	O	AN	1/35
		Free-form name			

Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for the first name. If necessary, use PER09 to provide the party's title.

PER03	365	Communication Number Qualifier	X	ID	2/2
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Code identifying the type of communication number

EM	Electronic Mail
FT	Federal Telecommunications System (FTS)
	<i>Use to indicate the Federal Switching Network (FSN).</i>
FX	Facsimile
IT	International Telephone
TE	Telephone
	<i>Use to indicate a commercial telephone number. Include the area code.</i>

PER04 364 Communication Number X AN 1/80
Complete communications number including country or area code when applicable

PER05 365 Communication Number Qualifier X ID 2/2

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.

EM	Electronic Mail
EX	Telephone Extension
	<i>Use only if PER03 is used citing code IT or TE.</i>
FT	Federal Telecommunications System (FTS)
	<i>Use to indicate the FSN.</i>
FX	Facsimile
IT	International Telephone
TE	Telephone
	<i>Use to indicate a commercial telephone number. Include the area code.</i>

PER06 364 Communication Number X AN 1/80
Complete communications number including country or area code when applicable

PER07 365 Communication Number Qualifier X ID 2/2

Code identifying the type of communication number

Use to identify a third communications number for the party cited in PER02.

EM	Electronic Mail
EX	Telephone Extension
	<i>Use only if PER05 is used citing code IT or TE.</i>
FT	Federal Telecommunications System (FTS)
	<i>Use to indicate the FSN.</i>
FX	Facsimile

IT International Telephone
TE Telephone

Use to indicate a commercial telephone number. Include the area code.

	PER08	364	Communication Number	X	AN	1/80
			Complete communications number including country or area code when applicable			
N/U	PER09	443	Contact Inquiry Reference	O	AN	1/20
			Additional reference number or description to clarify a contact number			

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify terms of sale

Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments: 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: 1. *Use this 1/ITD/130 segment when the discount terms apply to all of the line items. If the discount terms vary by line item, use the 2/ITD/110 segment.*

2. *Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.*

2. *Payment method was provided at time of registration. Changes to that data must be made by submitting a registration data change using the 838 transaction set.*

3. *Use only when a discount is applicable. Do not transmit this segment when a discount is not applicable*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	

Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

03	Fixed Date
04	Deferred or Installment
05	Discount Not Applicable
08	Basic Discount Offered
09	Proximo
16	Prompt Payment Act
21	Fast Pay

Use to indicate FAST PAY procedures are applicable only when that procedure has been authorized in the contract or order for which this invoice is being submitted.

23	Payment Due Upon Receipt of Invoice
PP	Prepayment

ITD02	333	Terms Basis Date Code	O	ID	1/2
Code identifying the beginning of the terms period					
<p><i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i></p> <p><i>2. Use any code.</i></p>					
Refer to 003050 Data Element Dictionary for acceptable code values.					
ITD03	338	Terms Discount Percent	O	R	1/6
Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date					
<p><i>The amount shown is a percent, e.g., two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025. Notional Block 9.</i></p>					
ITD04	370	Terms Discount Due Date	X	DT	6/6
Date payment is due if discount is to be earned					
<i>Use to indicate the date for the discount when ITD01 is code 03.</i>					
ITD05	351	Terms Discount Days Due	X	N0	1/3
Number of days in the terms discount period by which payment is due if terms discount is earned					
N/U	ITD06	446 Terms Net Due Date	O	DT	6/6
Date when total invoice amount becomes due					
ITD07	386	Terms Net Days	O	N0	1/3
Number of days until total invoice amount is due (discount not applicable)					
<p><i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i></p>					
ITD08	362	Terms Discount Amount	O	N2	1/10

Total amount of terms discount

1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

2. Use, if needed, to prevent differences that can result from rounding off methods.

N/U	ITD09	388	Terms Deferred Due Date	O	DT	6/6
			Date deferred payment or percent of invoice payable is due			
N/U	ITD10	389	Deferred Amount Due	X	N2	1/10
			Deferred amount due for payment			
N/U	ITD11	342	Percent of Invoice Payable	X	R	1/5
			Amount of invoice payable expressed in percent			
N/U	ITD12	352	Description	O	AN	1/80
			A free-form description to clarify the related data elements and their content			
N/U	ITD13	765	Day of Month	X	N0	1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced			
N/U	ITD14	107	Payment Method Code	O	ID	1/1
			Code identifying type of payment procedures			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	ITD15	954	Percent	O	R	1/10
			Percentage expressed as a decimal			

Segment: **DTM** Date/Time Reference

Position: 140

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: 1. Use this 1/DTM/140 segment to specify dates if they apply to all of the line items in the invoice. When the dates vary by line item, use the 2/DTM/150 segment.

2. Use two iterations of the segment when a range of dates (expressed as period start - period end, is required).

Data Element Summary

Ref.	Data	Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
			035 Delivered	
			<i>Notional Block 16 of Standard Form (SF) 1034A.</i>	
			186 Invoice Period Start	
			187 Invoice Period End	
			193 Period Start	
			<i>Use to indicate the performance commencement date for a line item that is ordering a service.</i>	
			194 Period End	
			<i>Use to indicate the performance completion date for a line item that is ordering a service.</i>	
			373 Order Start	
			<i>Use to indicate the requisition date.</i>	
			458 Certification	
			<i>Use to indicate the date of certification.</i>	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
N/U	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
N/U	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	
	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			<i>1. Use any code.</i>	

2. Use to qualify a date when it is necessary to express the date in other than YYMMDD format. Use also, to qualify a range of dates when DTM01 is code 035.

Refer to 003050 Data Element Dictionary for acceptable code values.

DTM07 1251 Date Time Period X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

When DTM01 is code 035, use to identify a range of dates that constitute a billing period. For example, when DTM01 is code 035, DTM06 may cite code RDM and DTM07 would cite 950101-0331.

Segment: AT Financial Accounting

Position: 210

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To transmit financial accounting data

Syntax Notes: 1 If AT10 is present, then AT01 is required.

Semantic Notes:

Comments: 1 AT09 identifies unique local activity financial accounting information.

Notes: *1. Use this 1/AT/210 segment to identify the appropriation reimbursed and disbursed when the cited appropriation data applies to all line items. When the appropriation data varies by line item, use the 2/REF/120 segment.*

2. Only use when the purchase order contains appropriation data in the 1/AT/288 segment.

3. This segment is used to identify the federal agency's appropriation number relevant to this transaction. The appropriation number is provided by the federal agency to the vendor normally in a procurement document. In the 810 the appropriation number is just returned to the federal agency for identification and tracking purposes. The appropriation number in this transaction set should be repeated in the same format as received in the relevant initiating document provided by the federal agency associated with this transaction.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
N/U	AT01	1271	Industry Code	X AN 1/20
			Code indicating a code from a specific industry code list	
Must Use	AT02	1282	Treasury Symbol Number	O AN 7/21
			Number identifying a department, fiscal year, treasury account number,	

			and appropriation limit for a standard accounting classification coding structure			
	AT03	1283	Budget Activity Number	O	AN	1/16
			Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure			
	AT04	1284	Object Class Number	O	AN	3/12
			Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure			
N/U	AT05	1285	Reimbursable Source Number	O	AN	1/3
			Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure			
N/U	AT06	1286	Transaction Reference Number	O	AN	4/20
			Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure			
Must Use	AT07	1287	Accountable Station Number	O	AN	3/8
			Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure			
N/U	AT08	1288	Paying Station Number	O	AN	8/14
			Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure			
Must Use	AT09	352	Description	O	AN	1/80
			A free-form description to clarify the related data elements and their content			
N/U	AT10	1270	Code List Qualifier Code	O	ID	1/3
			Code identifying a specific industry code list			
			Refer to 003050 Data Element Dictionary for acceptable code values.			

Segment: **IT1** **Baseline Item Data (Invoice)**

Position: 010

Loop: IT1

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:

- 1 If any of IT102 IT103 or IT104 is present, then all are required.
- 2 If either IT106 or IT107 is present, then the other is required.
- 3 If either IT108 or IT109 is present, then the other is required.

	4	If either IT110 or IT111 is present, then the other is required.
	5	If either IT112 or IT113 is present, then the other is required.
	6	If either IT114 or IT115 is present, then the other is required.
	7	If either IT116 or IT117 is present, then the other is required.
	8	If either IT118 or IT119 is present, then the other is required.
	9	If either IT120 or IT121 is present, then the other is required.
	10	If either IT122 or IT123 is present, then the other is required.
	11	If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	1	IT101 is the purchase order line item identification.
Comments:	1	Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
	2	IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes:	<p>1. Use multiple iterations of this 2/IT1/010 loop to provide invoice data for a specific line item. Allowances or charges identifiable to a line item will be included in that line's 2/SAC/180 loop. Invoice level of allowances or charges, that is, allowances or charges not identifiable to a specific item or line of billing, will be included in the 3/SAC/040 loop.</p> <p>2. Use as many 235/234 pairs as necessary to describe the item being invoiced.</p> <p>3. When billing for metered services, on accounts with more than one meter, each meter charge should be detailed in a separate iteration of the IT1 loop.</p>	

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
IT101	350 Assigned Identification	O AN 1/11
	Alphanumeric characters assigned for differentiation within a transaction set	
	<i>Use to identify the Contract Line Item Number (CLIN), Sub Contract Line Item Number (SUBCLIN), or Exhibit Line Item Number (ELIN) or other number identifying the line item. Notional Block 17 of Standard Form (SF) 1034A.</i>	
IT102	358 Quantity Invoiced	X R 1/10
	Number of units invoiced (supplier units)	
	<i>Notional Block 18 of SF 1034A.</i>	
IT103	355 Unit or Basis for Measurement Code	X ID 2/2
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
	<i>1. Use to identify the unit of issue for the quantity listed in IT102. Notional Block 20 of SF 1034A.</i>	

2. Use any appropriate code, but it must be the same unit of measure as cited in the applicable award instrument.

3. Use code 10, Group, to indicate a service product.

Refer to 003050 Data Element Dictionary for acceptable code values.

IT104 212 Unit Price X R 1/17

Price per unit of product, service, commodity, etc.

Cite the contract or order unit price. Notional Block 19 of SF 1034A.

N/U IT105 639 Basis of Unit Price Code O ID 2/2

Code identifying the type of unit price for an item

Refer to 003050 Data Element Dictionary for acceptable code values.

IT106 235 Product/Service ID Qualifier X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. Use only codes that were contained in the contract or order. For example, if the item being invoiced was ordered by its National Stock Number (code FS), use code FS followed by the National Stock Number of the item. Descriptions should be kept to a minimum essential to identify the item for payment purposes. While any code may be used, listed codes are preferred.

2. IT106 through IT125 are used in pairs. For Example, IT106 will contain a qualifier code and IT107 will contain information related to the qualifying code. So, if IT106 is code FS then IT107 would carry the National Stock Number.

A8 Exhibit Line Item Number

AK Refined Product Code

Use to indicate a petroleum product type.

CH Country of Origin Code

CG Commodity Grouping Code

Use to indicate a commodity code.

CL Color

CN Commodity Name

FS National Stock Number

The National Stock Number (NSN) shall be transmitted as a continuous set of numbers, and without dashes.

FT Federal Supply Classification

See Code Source 27 in the Accredited Standards Committee (ASC) X12 standards for the Federal Supply Classification (FSC) codes.

IN Buyer's Item Number

KA Engineering Data List

KB	Data Category Code
KF	Item Type Number
LT	Lot Number
MF	Manufacturer <i>When used, cite the Dun & Bradstreet (DUNS) number of the manufacturer in the following data element.</i>
MG	Manufacturer's Part Number <i>When used, a second 235/234 pair must be used citing either code MF or ZB.</i>
MM	Motor Equipment Manufacturing Association (MEMA) Product Type Code <i>This code will be deleted unless a business case for its retention is provided.</i>
MN	Model Number
N1	National Drug Code in 4-4-2 Format
N2	National Drug Code in 5-3-2 Format
N3	National Drug Code in 5-4-1 Format
N4	National Drug Code in 5-4-2 Format
ND	National Drug Code (NDC)
PD	Part Number Description <i>Use to indicate a clear text description of an item.</i>
PU	Part Reference Number
RC	Returnable Container No.
SN	Serial Number
SV	Service Rendered <i>Use to indicate a clear text description of a service being invoiced.</i>
SW	Stock Number <i>Use to indicate a local stock number.</i>
SZ	Vendor Alphanumeric Size Code (NRMA)
TP	Product Type Code <i>Use to indicate a specific product type. Do not use for petroleum products; use code AK.</i>
UD	U.P.C./EAN Consumer Package Code
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UN	U.P.C. Case Code Number
VP	Vendor's (Seller's) Part Number
ZB	Commercial and Government Entity (CAGE) <i>Use, as applicable, to indicate a CAGE code when not otherwise a part of a cited manufacturer's part number.</i>

Refer to 003050 Data Element Dictionary for acceptable code values.

	IT107	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
	IT108	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
	IT109	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT110	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	IT111	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT112	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	IT113	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT114	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	IT115	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT116	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	IT117	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT118	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.
N/U	IT119	234	Product/Service ID	X	AN	1/40	Identifying number for a product or service
N/U	IT120	235	Product/Service ID Qualifier	X	ID	2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003050 Data Element Dictionary for acceptable code values.

N/U	IT121	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
N/U	IT122	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	IT123	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
N/U	IT124	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	IT125	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			

Segment:	TXI	Tax Information
Position:	040	
Loop:	IT1	
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify tax information	
Syntax Notes:	1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.	
Semantic Notes:	1 TXI07 is a code indicating the relationship of the price or amount to the associated segment.	
Comments:	1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.	
Notes:	<i>Use this 2/TXI/040 segment only if taxes apply to a line item.</i>	

Data Element Summary			
Ref.	Data		
Des.	Element	Name	Attributes
Must Use	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. Cited codes are preferred.</i>	
		CA City Tax	
		FI FICA Tax	
		FD Federal Tax	

FT *Federal Excise Tax*
GR *Gross Receipts Tax*
LO *Local Tax (Not Sales Tax)*
LS *State and Local Sales Tax*
TX *All Taxes*
ZZ *Mutually defined*

Refer to 003050 Data Element Dictionary for acceptable code values.

	TXI02	782	Monetary Amount	X	R	1/15
			Monetary amount			
	TXI03	954	Percent	X	R	1/10
			Percentage expressed as a decimal			
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>			
N/U	TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2
			Code identifying the source of the data used in tax jurisdiction code			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	TXI05	956	Tax Jurisdiction Code	X	AN	1/10
			Code identifying the taxing jurisdiction			
N/U	TXI06	441	Tax Exempt Code	X	ID	1/1
			Code identifying exemption status from sales and use tax			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	TXI07	662	Relationship Code	O	ID	1/1
			Code indicating the relationship between entities			
			A			Add
						<i>Use to indicate the tax amount is to be added to the invoice unit price.</i>
			I			Included
						<i>Use to indicate the tax amount is already included in the invoice unit price.</i>
	TXI08	828	Dollar Basis For Percent	O	R	1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
N/U	TXI09	325	Tax Identification Number	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
N/U	TXI10	350	Assigned Identification	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **PID** Product/Item Description

Position:	060
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates it does not apply. Any other value is indeterminate.
Comments:	<ol style="list-style-type: none"> 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>The use of this segment is discouraged. Use only for a clear text description when the product/service identification in 235/234 pairs in the IT1 segment is insufficient to describe the item or service being invoiced. Do not use when codes in IT106/07 can be used to describe the item or service being invoiced.</i>

Data Element Summary

Ref.	Data					
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>			
Must Use	PID01	349	Item Description Type	M	ID	1/1
			Code indicating the format of a description			
			F Free-form			
N/U	PID02	750	Product/Process Characteristic Code	O	ID	2/3
			Code identifying the general class of a product or process characteristic			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	PID03	559	Agency Qualifier Code	X	ID	2/2
			Code identifying the agency assigning the code values			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	PID04	751	Product Description Code	X	AN	1/12
			A code from an industry code list which provides specific data about a product characteristic			
	PID05	352	Description	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Use to identify the item description or job description.

N/U	PID06	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	PID07	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	
N/U	PID08	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	
			Refer to 003050 Data Element Dictionary for acceptable code values.	

Segment: ITD Terms of Sale/Deferred Terms of Sale**Position:** 110**Loop:** IT1**Level:** Detail**Usage:** Optional**Max Use:** 2**Purpose:** To specify terms of sale

Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes:

1. *Use this 2/ITD/110 segment when the discount terms vary by line item. If the discount applies to all of the line items, use the 1/ITD/130 segment.*

2. *Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.*

3. *Use only when a discount is applicable. Do not transmit this segment when a discount is not applicable.*

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
ITD01	336	Terms Type Code	O ID 2/2

Code identifying type of payment terms

Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

04 Deferred or Installment

05	Discount Not Applicable
08	Basic Discount Offered
09	Proximo
16	Prompt Payment Act
21	Fast Pay

Use to indicate FAST PAY procedures are applicable only when that procedure has been authorized in the contract or order for which this invoice is being submitted.

23	Payment Due Upon Receipt of Invoice
PP	Prepayment

	ITD02	333	Terms Basis Date Code	O	ID	1/2	Code identifying the beginning of the terms period
			<p><i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i></p> <p><i>2. Use any code.</i></p> <p>Refer to 003050 Data Element Dictionary for acceptable code values.</p>				
	ITD03	338	Terms Discount Percent	O	R	1/6	Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date
			<p><i>The amount shown is a percent, e.g. two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025.</i></p>				
N/U	ITD04	370	Terms Discount Due Date	X	DT	6/6	Date payment is due if discount is to be earned
	ITD05	351	Terms Discount Days Due	X	N0	1/3	Number of days in the terms discount period by which payment is due if terms discount is earned
N/U	ITD06	446	Terms Net Due Date	O	DT	6/6	Date when total invoice amount becomes due
	ITD07	386	Terms Net Days	O	N0	1/3	Number of days until total invoice amount is due (discount not applicable)
			<p><i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i></p>				
	ITD08	362	Terms Discount Amount	O	N2	1/10	Total amount of terms discount
			<p><i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i></p> <p><i>2. Use, if needed, to prevent differences that can result from rounding off methods.</i></p>				

N/U	ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due	O	DT	6/6
N/U	ITD10	389	Deferred Amount Due Deferred amount due for payment	X	N2	1/10
N/U	ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent	X	R	1/5
N/U	ITD12	352	Description A free-form description to clarify the related data elements and their content	O	AN	1/80
N/U	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	X	N0	1/2
N/U	ITD14	107	Payment Method Code Code identifying type of payment procedures Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	1/1
N/U	ITD15	954	Percent Percentage expressed as a decimal	O	R	1/10

Segment: REF Reference Numbers**Position:** 120**Loop:** IT1**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To specify identifying numbers.**Syntax Notes:** 1 At least one of REF02 or REF03 is required.**Semantic Notes:****Comments:**

Notes: *1. Use this 2/REF/120 segment to identify reference numbers that vary by line item. When the reference numbers apply to all the line items in the invoice, use the 1/REF/110 segment.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use REF01	128	Reference Number Qualifier	M ID 2/2

Code qualifying the Reference Number.

*Use any code. The following codes are preferred.***11 Account number***Number identifies a telecommunications industry account***12 Billing Account***Account number under which the billing is rendered*

14 Master Account Number

Account number used to represent individual billing accounts which have been consolidated and/or summarized

55 Sequence Number

Use to indicate a suffix number associated with a final shipment number

AT Appropriation Number

Use to identify the accounting/appropriation data of the billed activity when the data is applicable to the cited line item.

AW Air Waybill Number**AX Accounting Class Reference Number (ACRN)****BL Government Bill of Lading**

Use to indicate the government bill of lading number.

C7 Contract Line Item Number**CA Cost Allocation Reference****DO Delivery Number Order****FS Final Sequence Number**

Use, as applicable, to indicate the suffix number of a replacement shipment associated with a shipment number (i.e., when transmitting the letter A to indicate the first replacement shipment).

K5 Task Order**MG Meter Number****OQ Order Number**

Use to indicate the Call number

RB Rate Code Number**RQ Purchase Requisition Number**

Use to indicate the purchase requisition number which is in the 14/15 position Military Standard Requisitioning and Issue Procedures (MILSTRIP) requisition number (or other 14/15 position document number of non-MILSTRIP items) associated to the current line item.

SI Shippers Identifying Number for Shipment (SID)

A unique number (to the shipper) assigned by the shipper to identify the shipment. Use to indicate the vendor shipping number.

TN Transaction reference Number**W6 Federal Supply Schedule Number**

Refer to 003050 Data Element Dictionary for acceptable code values.

Must Use	REF02	127	Reference Number	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
N/U	REF03	352	Description	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment: DTM Date/Time Reference**Position:** 150**Loop:** IT1**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify pertinent dates and times**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:**Comments:****Notes:** 1. Use two iterations of the segment when a range of dates (expressed as period start - period end, is required).

2. Use this 2/DTM/150 segment to specify the dates of the line item data for the public voucher. When the dates for all items are the same, use the 1/DTM/140 segment.

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>	
Must Use DTM01	374	Date/Time Qualifier		M ID	3/3
		Code specifying type of date or time, or both date and time			
		011	Shipped		
			Use to indicate the date the goods were shipped.		
		035	Delivered		
		186	Invoice Period Start		
		187	Invoice Period End		
		193	Period Start		
			Use to indicate the performance commencement date for a line item that is ordering a service.		
		194	Period End		
			Use to indicate the performance completion date for a line item that is ordering a service.		
		373	Order Start		
			Use to indicate the requisition date.		
		458	Certification		
			Use to indicate the date of certification.		
DTM02	373	Date		X DT	6/6
		Date (YYMMDD)			

N/U	DTM03	337	Time	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
N/U	DTM04	623	Time Code	O	ID	2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	DTM05	624	Century	O	N0	2/2
			The first two characters in the designation of the year (CCYY)			
	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3
			Code indicating the date format, time format, or date and time format			
			<i>1. Use any code.</i>			
			<i>2. Use to qualify a date when it is necessary to express the date in other than YYMMDD format. Use also, to qualify a range of dates when DTM01 is code 035.</i>			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	DTM07	1251	Date Time Period	X	AN	1/35
			Expression of a date, a time, or range of dates, times or dates and times			
			<i>When DTM01 is code 035, use to identify a range of dates that constitute a billing period. For example, when DTM01 is code 035, DTM06 may cite code RDM and DTM07 would cite 950101-0331.</i>			

Segment: **SAC** Service, Promotion, Allowance, or Charge Information

Position: 180

Loop: SAC

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.

- Semantic Notes:**
- 7 If SAC14 is present, then SAC13 is required.
 - 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
- Notes:**
- 1. *Use this 2/SAC/180 segment to identify charges that apply to a line item. If the charges apply to all of the line items, use the 3/SAC/040 segment.*
 - 2. *Use also to identify the amount of the line item total invoice amount that is to be applied to the accounting data cited in SAC15.*

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
Must Use SAC01	248	Allowance or Charge Indicator	M	ID	1/1
		Code which indicates an allowance or charge for the service specified			
		A	Allowance		
		C	Charge		
		N	No Allowance or Charge		
		Use to indicate that the amount cited in SAC05 is to be applied to the accounting data identified in SAC15.			
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4
		Code identifying the service, promotion, allowance, or charge			
		Any code may be used except those referring to taxes which should be carried in the TXI segment.			
		F460	Postage		
		F650	Preparation		
		Use to indicate packing, crating and handling.			

			I170	Trade Discount				
			I260	Transportation Direct Billing				
			ZZZZ	Mutually Defined				
				<i>Use to indicate the amount cited in SAC05 is to be applied to the accounting data identified in SAC15.</i>				
				Refer to 003050 Data Element Dictionary for acceptable code values.				
N/U	SAC03	559	Agency Qualifier Code		X	ID	2/2	
			Code identifying the agency assigning the code values					
			Refer to 003050 Data Element Dictionary for acceptable code values.					
N/U	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN	1/10	
			Agency maintained code identifying the service, promotion, allowance, or charge					
	SAC05	610	Amount		O	N2	1/15	
			Monetary amount					
			1. Use to identify the amount of the allowance or charge.					
			2. When SAC02 is code ZZZZ, cite the line item invoiced amount that is to be applied to the accounting data identified in SAC15.					
	SAC06	378	Allowance/ Charge Percent Qualifier		X	ID	1/1	
			Code indicating on what basis allowance or charge percent is calculated					
			Refer to 003050 Data Element Dictionary for acceptable code values.					
	SAC07	332	Percent		X	R	1/6	
			Percent expressed as a percent					
			The amount shown is a percentage, e.g. two and a half percent should be shown as 2.5 (two point five). Do not write as .025.					
	SAC08	118	Rate		O	R	1/9	
			Rate expressed in the standard monetary denomination for the currency specified					
			Use to identify the allowance or charge rate per unit.					
	SAC09	355	Unit or Basis for Measurement Code		X	ID	2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
			Refer to 003050 Data Element Dictionary for acceptable code values.					
	SAC10	380	Quantity		X	R	1/15	
			Numeric value of quantity					
			Use to identify the quantity to which the amount cited in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the amount in SAC05 applies.					
	SAC11	380	Quantity		O	R	1/15	
			Numeric value of quantity					
			Use only if SAC10 is used. SAC10/11 can be used together to					

			<i>specify a quantity range.</i>			
N/U	SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2
			Code indicating method of handling for an allowance or charge Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	SAC13	127	Reference Number	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
N/U	SAC14	770	Option Number	O	AN	1/20
			A unique number identifying available promotion or allowance options when more than one is offered			
	SAC15	352	Description	O	AN	1/80
			A free-form description to clarify the related data elements and their content			
			1. Use only when additional clarification of SAC02 is required. 2. When SAC02 is code ZZZZ, identify the accounting data against which the amount cited in SAC05 is to be applied.			

Segment:	TXI Tax Information
Position:	190
Loop:	SAC
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	1 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	<i>Use this 2/TXI/190 segment only if taxes to the cited charge amounts.</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963 Tax Type Code	M ID 2/2
			Code specifying the type of tax
			<i>Use any code. Cited codes are preferred.</i>
			CA City Tax

FI *FICA Tax*
FD *Federal Tax*
FT *Federal Excise Tax*
GR *Gross Receipts Tax*
LO *Local Tax (Not Sales Tax)*
LS *State and Local Sales Tax*
TX *All Taxes*
ZZ *Mutually defined*

Refer to 003050 Data Element Dictionary for acceptable code values.

	TXI02	782	Monetary Amount	X	R	1/15
			Monetary amount			
	TXI03	954	Percent	X	R	1/10
			Percentage expressed as a decimal			
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>			
N/U	TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2
			Code identifying the source of the data used in tax jurisdiction code			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	TXI05	956	Tax Jurisdiction Code	X	AN	1/10
			Code identifying the taxing jurisdiction			
N/U	TXI06	441	Tax Exempt Code	X	ID	1/1
			Code identifying exemption status from sales and use tax			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	TXI07	662	Relationship Code	O	ID	1/1
			Code indicating the relationship between entities			
			A Add			
			<i>Use to indicate the tax amount is to be added to the charge amount being invoiced.</i>			
			I Included			
			<i>Use to indicate the tax amount is already included in the charge amount being invoiced.</i>			
	TXI08	828	Dollar Basis For Percent	O	R	1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
N/U	TXI09	325	Tax Identification Number	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
N/U	TXI10	350	Assigned Identification	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

Segment:	N1 Name
Position:	240
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<ol style="list-style-type: none"> 1. <i>Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a Dun & Bradstreet (DUNS) number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.</i> 2. <i>Use this 2/N1/240 loop to identify information pertaining to the line item. If the information applies to all of the line items, use the 1/N1/070 loop.</i>

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use N101	98 Entity Identifier Code	M ID 2/2
	Code identifying an organizational entity, a physical location, or an individual	
	SF Ship From	
	<i>Notional Block 11.</i>	
	ST Ship To	
	<i>Use to indicate the address to which an item must be shipped. If the ship-to address is a Fleet Post Office (FPO) or an Army Post Office (APO), cite the FPO or APO zip code in N403, cite code AR in N405, and cite the two letter identifier (AA for Miami, AE for New York, AP for San Francisco) in N406. Notional Block 12.</i>	
	SV Service Performance Site	

Use to indicate the location where a service was performed.

	N102	93	Name	X	AN	1/35
			Free-form name			
Must Use	N103	66	Identification Code Qualifier	X	ID	1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			<i>While the federal Electronic data Interchange (EDI) program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.</i>			
			1			D-U-N-S Number, Dun & Bradstreet
			9			D-U-N-S+4, D-U-N-S Number with Four Character Suffix
			10			Department of Defense Activity Address Code (DODAAC)
			33			Commercial and Government Entity (CAGE)
			A2			Military Assistance Program Address Code (MAPAC)
			FA			Facility Identification
						<i>Use to identify the vendor's facility that cannot be identified by either a DODAAC, CAGE or DUNS number.</i>
			FI			Federal Taxpayer's Identification Number
			ZZ			Mutually Defined
Must Use	N104	67	Identification Code	X	AN	2/20
			Code identifying a party or other code			
N/U	N105	706	Entity Relationship Code	O	ID	2/2
			Code describing entity relationship			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	N106	98	Entity Identifier Code	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			
			Refer to 003050 Data Element Dictionary for acceptable code values.			

Segment: N2 Additional Name Information

Position: 250

Loop: N1

Level: Detail

Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:**Semantic Notes:****Comments:****Notes:**

1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

2. Use, as applicable, with codes ST and SV in N101, to provide the necessary identification for the payment.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use N201	93	Name	M	AN 1/35
		Free-form name		
N202	93	Name	O	AN 1/35
		Free-form name		

Segment: N3 Address Information**Position:** 260**Loop:** N1**Level:** Detail**Usage:** Optional**Max Use:** 2**Purpose:** To specify the location of the named party**Syntax Notes:****Semantic Notes:****Comments:****Notes:**

1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

2. Use, as applicable, with codes ST and SV in N101, to provide the necessary identification for the payment.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use N301	166	Address Information	M	AN 1/35
		Address information		
N302	166	Address Information	O	AN 1/35
		Address information		

Segment: N4 Geographic Location**Position:** 270

Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.
Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*
2. Use, as applicable, with codes ST and SV in N101, to provide the necessary identification for the payment.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
N401	19	City Name	O	AN 2/30
		Free-form text for city name		
N402	156	State or Province Code	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code	O	ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code	O	ID 2/3
		Code identifying the country		
		<i>An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>		
N405	309	Location Qualifier	X	ID 1/2
		Code identifying type of location		
		AR		Armed Services Location Designation
		<i>Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO).</i>		
N406	310	Location Identifier	O	AN 1/30
		Code which identifies a specific location		

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:

Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

- 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: *There is no need to transmit either the currency symbol (e.g., the dollar sign \$), commas separating thousands, or the decimal point because the amount data elements are N2 types which means that there are two decimal places implied in every transmitted number. When using, be sure to follow all whole numbers with two zeros to account for the implied two decimal places.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	TDS01	610 Amount Monetary amount	M N2 1/15
	TDS02	610 Amount Monetary amount <i>Use to identify the total amount of the invoice subject to discounts (which may vary by line item). Use is required if the dollar value subject to the terms discount is not equal to the dollar value cited in TDS01.</i>	O N2 1/15
	TDS03	610 Amount Monetary amount <i>Use to identify the total amount of the invoice minus allowances and discounts and plus the charges, as applicable.</i>	O N2 1/15
	TDS04	610 Amount Monetary amount <i>Use to identify the terms discount total amount applicable to the invoice.</i>	O N2 1/15

Segment: **TXI** Tax Information
Position: 020
Loop:
Level: Summary

Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	<i>Use this 3/TXI/020 segment to identify the total tax amount applicable to the total invoiced amount.</i>

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	TXI01	963 Tax Type Code	M	ID 2/2
		Code specifying the type of tax		
		<i>Use any code. Cited codes are preferred.</i>		
		CA City Tax		
		FI FICA Tax		
		FD Federal Tax		
		FT Federal Excise Tax		
		GR Gross Receipts Tax		
		LO Local Tax (Not Sales Tax)		
		LS State and Local Sales Tax		
		TX All Taxes		
		ZZ Mutually defined		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
	TXI02	782 Monetary Amount	X	R 1/15
		Monetary amount		
	TXI03	954 Percent	X	R 1/10
		Percentage expressed as a decimal		
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>		
N/U	TXI04	955 Tax Jurisdiction Code Qualifier	X	ID 2/2
		Code identifying the source of the data used in tax jurisdiction code		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
N/U	TXI05	956 Tax Jurisdiction Code	X	AN 1/10
		Code identifying the taxing jurisdiction		
N/U	TXI06	441 Tax Exempt Code	X	ID 1/1

Code identifying exemption status from sales and use tax
Refer to 003050 Data Element Dictionary for acceptable code values.

	TXI07	662	Relationship Code	O	ID	1/1
			Code indicating the relationship between entities			
			A Add			
			<i>Use to indicate the total tax amount that must be added to the total invoice amount.</i>			
			I Included			
			<i>Use to indicate the total tax amount is already included in the invoice total amount.</i>			
	TXI08	828	Dollar Basis For Percent	O	R	1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
N/U	TXI09	325	Tax Identification Number	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
N/U	TXI10	350	Assigned Identification	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

Segment:**SAC** Service, Promotion, Allowance, or Charge Information**Position:**

040

Loop:

SAC

Level:

Summary

Usage:

Optional

Max Use:

1

Purpose:

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:

- 1 At least one of SAC02 or SAC03 is required.
- 2 If either SAC03 or SAC04 is present, then the other is required.
- 3 If either SAC06 or SAC07 is present, then the other is required.
- 4 If either SAC09 or SAC10 is present, then the other is required.
- 5 If SAC11 is present, then SAC10 is required.
- 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- 7 If SAC14 is present, then SAC13 is required.

Semantic Notes:

- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
- 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
- 3 SAC08 is the allowance or charge rate per unit.
- 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a

dollar amount, that is applicable to service, promotion, allowance, or charge.

- Comments:**
- 5** SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 1** SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2** In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: *Use the 3/SAC/040 segment to identify total charges that are not being invoiced as a line item. These amounts are included in the TDS segment.*

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			<i>Use any code except those that are tax related. Those codes should be carried in the TXI segment.</i>	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	SAC03	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
N/U	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge	
	SAC05	610	Amount	O N2 1/15
			Monetary amount	
			<i>Use to identify the amount of the allowance or charge.</i>	
	SAC06	378	Allowance/ Charge Percent Qualifier	X ID 1/1
			Code indicating on what basis allowance or charge percent is calculated	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	SAC07	332	Percent	X R 1/6
			Percent expressed as a percent	
			<i>The amount shown is a percent, e.g. two and a half percent should</i>	

			<i>be shown as 2.5 (two point five). Do not write the percent as .025.</i>		
	SAC08	118	Rate	O R	1/9
			Rate expressed in the standard monetary denomination for the currency specified		
			<i>Use to identify the allowance or charge rate per unit.</i>		
	SAC09	355	Unit or Basis for Measurement Code	X ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	SAC10	380	Quantity	X R	1/15
			Numeric value of quantity		
			<i>Use to identify the quantity to which the amount cited in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the amount in SAC05 applies.</i>		
	SAC11	380	Quantity	O R	1/15
			Numeric value of quantity		
			<i>Use only if SAC10 is used. SAC10/11 can be used together to specify a quantity range.</i>		
N/U	SAC12	331	Allowance or Charge Method of Handling Code	O ID	2/2
			Code indicating method of handling for an allowance or charge		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
N/U	SAC13	127	Reference Number	X AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
N/U	SAC14	770	Option Number	O AN	1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
	SAC15	352	Description	O AN	1/80
			A free-form description to clarify the related data elements and their content		
			<i>Use only when additional clarification of codes in SAC02 is required.</i>		

Segment: **TXI** Tax Information
Position: 050
Loop: SAC
Level: Summary
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes: **1** At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.

- Semantic Notes:** 3 If TXI08 is present, then TXI03 is required.
 1 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
- Comments:** 1 TXI02 is the monetary amount of the tax.
 2 TXI03 is the tax percent expressed as a decimal.
 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
- Notes:** *Use this 3/TXI/050 segment to identify total taxes applicable to total charge amounts. These amounts are included in TDS segment.*

Data Element Summary					
Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
Must Use	TXI01	963 Tax Type Code	M	ID	2/2
		Code specifying the type of tax			
		<i>Use any code. Cited codes are preferred.</i>			
		CA City Tax			
		F1 FICA Tax			
		FD Federal Tax			
		FT Federal Excise Tax			
		GR Gross Receipts Tax			
		LO Local Tax (Not Sales Tax)			
		LS State and Local Sales Tax			
		TX All Taxes			
		ZZ Mutually defined			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
	TXI02	782 Monetary Amount	X	R	1/15
		Monetary amount			
	TXI03	954 Percent	X	R	1/10
		Percentage expressed as a decimal			
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>			
N/U	TXI04	955 Tax Jurisdiction Code Qualifier	X	ID	2/2
		Code identifying the source of the data used in tax jurisdiction code			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	TXI05	956 Tax Jurisdiction Code	X	AN	1/10
		Code identifying the taxing jurisdiction			
N/U	TXI06	441 Tax Exempt Code	X	ID	1/1
		Code identifying exemption status from sales and use tax			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
	TXI07	662 Relationship Code	O	ID	1/1
		Code indicating the relationship between entities			

A Add

Use to indicate the total tax amount applicable to the total charges that must be added to the total invoice amount.

I Included

Use to indicate the total tax amount applicable to the total charges that is already included in the total invoice amount.

	TXI08	828	Dollar Basis For Percent	O R 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax	
N/U	TXI09	325	Tax Identification Number	O AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
N/U	TXI10	350	Assigned Identification	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	

Segment: CTT Transaction Totals**Position:** 070**Loop:****Level:** Summary**Usage:** Mandatory**Max Use:** 1**Purpose:** To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			<i>Use to indicate the number of times the IT1 loop was used in the transaction set.</i>	
N/U	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater	

than the maximum size of the hash total of the data element.

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

N/U	CTT03	81	Weight	X	R	1/10
			Numeric value of weight			
N/U	CTT04	355	Unit or Basis for Measurement Code	X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	CTT05	183	Volume	X	R	1/8
			Value of volumetric measure			
N/U	CTT06	355	Unit or Basis for Measurement Code	X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
N/U	CTT07	352	Description	O	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment: SE Transaction Set Trailer

Position: 080

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>			<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	SE01	96	Number of Included Segments	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	Transaction Set Control Number	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Cite the same number that is contained in ST02.